Table of Contents

- **Before You Start**
- **Verifying the Printing mode with HyperTerminal**
  - DB9-Interface POS System
  - DB9-Interface Cash Register
  - DB25-Interface POS System
  - DB25-Interface Cash Register
- **Sending a Transaction Data File to GV-system**
  - The Steps to Send a Transation Data File

Is Your POS System/Cash Register Compatible with GV-Data Capture Box?

GeoVision provides a solution for text-mode POS system/cash register. How to check whether the printing mode of your POS system/cash register is text mode or not? This document answers the question with the HyperTerminal program. Included in all versions of Microsoft Windows, HyperTerminal offers an easy way to verify the printing mode of your POS system/cash register.

The latter part of this document describes how to use HyperTerminal to send transaction data to GV-System.

Before You Start

To facilitate the process of verifying the printing mode, please read the following explanatory notes first.

POS System: POS stands for Point of Sale. It is an electronic device that records sales transaction data with a receipt printer attached externally.

Cash Register: Like POS System, Cash Register is also an electronic device that records sales transaction data but with a receipt printer attached internally.

DB9: This type of connector can be identified as having 9 pins.

DB25: This type of connector can be identified as having 25 pins.

Verifying the Printing Mode with HyperTerminal

The following instructions explain how to verify the printing mode of your POS system/cash register.

DB9-Interface POS System

Equipment Needed

1 PC/Notebook with the HyperTerminal program

1 GV-Data Capture Box

Verifying the Printing Mode of a DB9-Interface POS System

1. Attach the computer to the POS system as illustrated below.

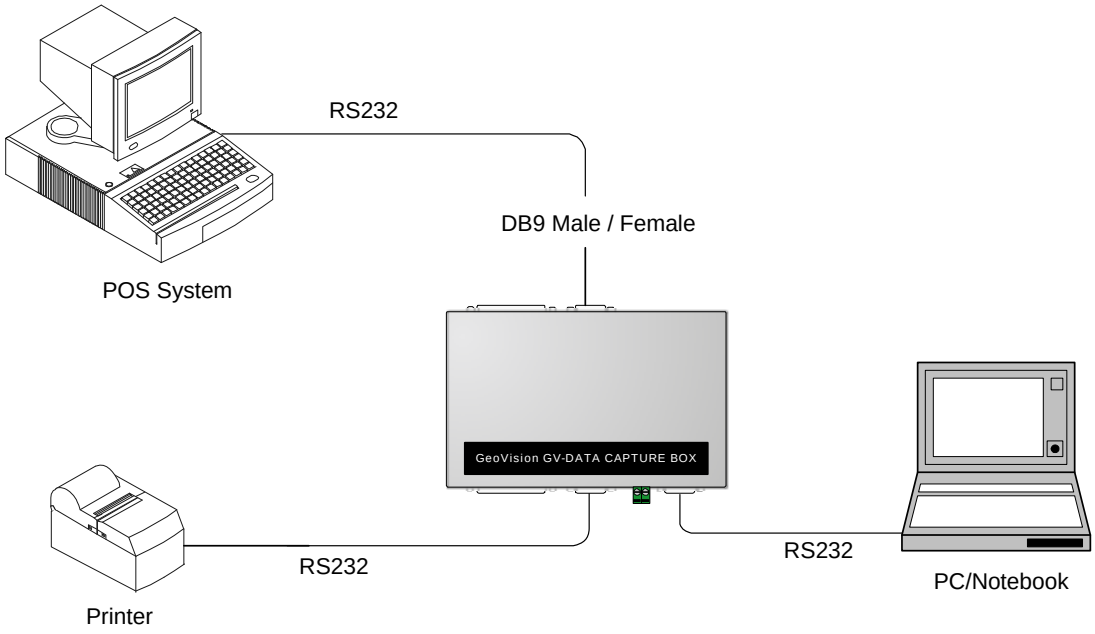

Figure 1

2. Click Windows **Start/Programs/Accessories**. Within Accessories, click **HyperTerminal**. (If you don't see HyperTerminal, click the Communications folder and then click HyperTerminal.)

3. When the Location Information window displays, click the **Cancel** button. Then just click **Yes** for the prompt and **OK** for the next prompt.

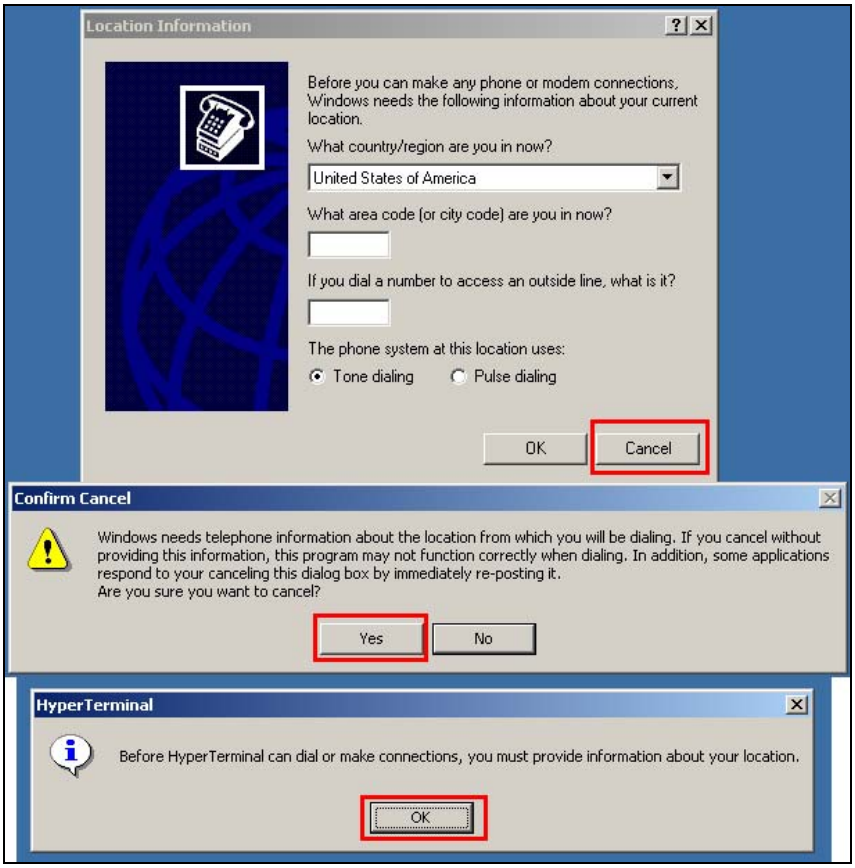
Location Information
Before you can make any phone or modem connections, Windows needs the following information about your current location.
What country/region are you in now?
United States of America
What area code (or city code) are you in now?
If you dial a number to access an outside line, what is it?
The phone system at this location uses:
Tone dialing
Pulse dialing
OK
Cancel
Confirm Cancel
Windows needs telephone information about the location from which you will be dialing. If you cancel without providing this information, this program may not function correctly when dialing. In addition, some applications respond to your canceling this dialog box by immediately re-posting it.
Are you sure you want to cancel?
Yes
No
HyperTerminal
Before HyperTerminal can dial or make connections, you must provide information about your location.
OK

Figure 2

4. Type a name under the Name field, and then click **OK**.

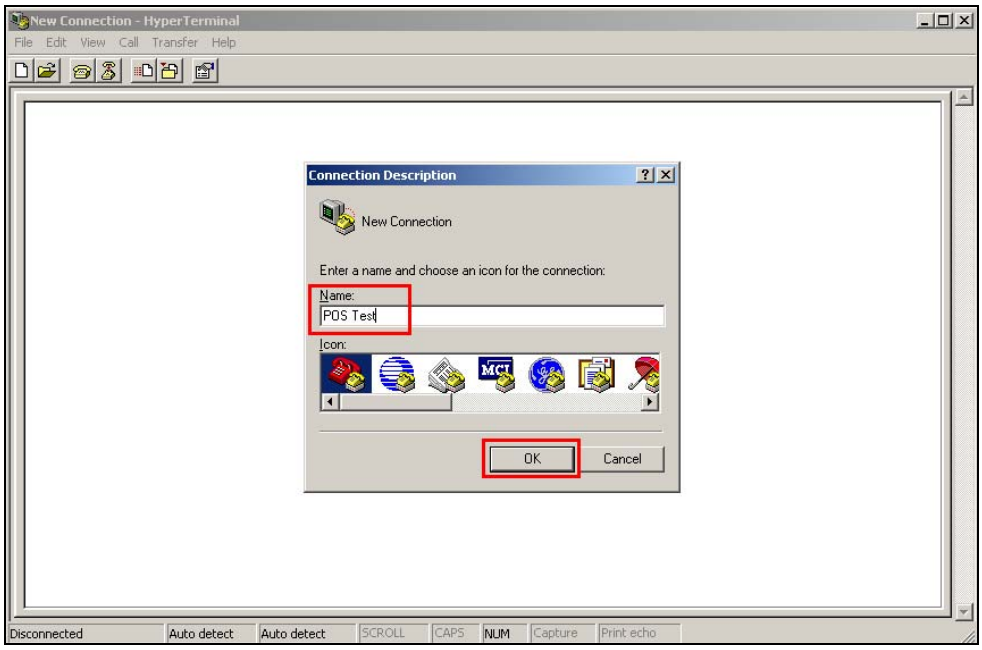

Figure 3

5. The same window in Step 3 may appear again. Follow Step 3 to close the window and the prompts.
6. In the Connect Using field, select the **COM port** that is connected to the POS system. Then click **OK**.

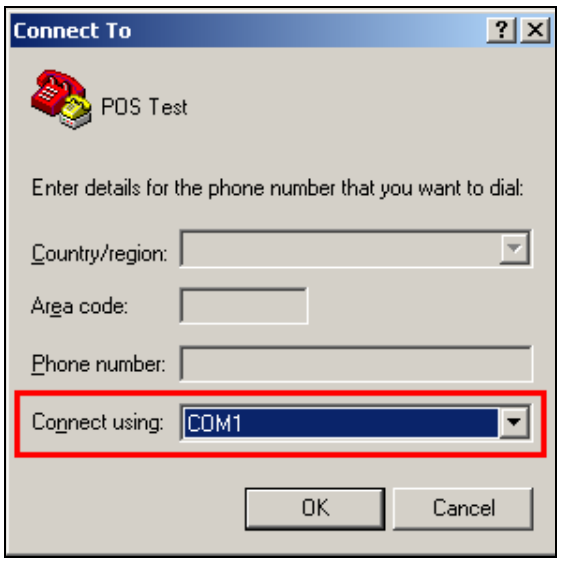

Figure 4

7. Select the corresponding POS port values, choose **None** in the Flow Control field, and then click **OK**. (If you are not sure about these values, it is recommended to contact your POS manufacturer or check its user manual.)

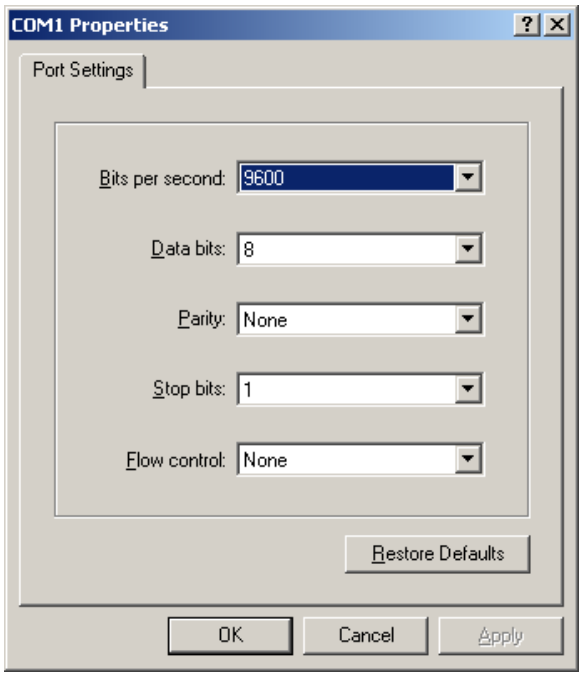

Figure 5

8. Click the **Transfer** menu, and select **Capture Text**.

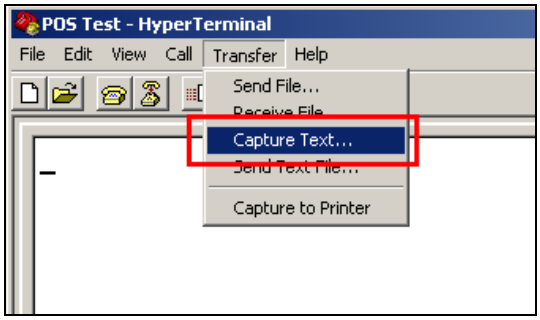

Figure 6

9. Click **Browse** and assign a path to store the testing file. Then click **Start** to start the POS test session.

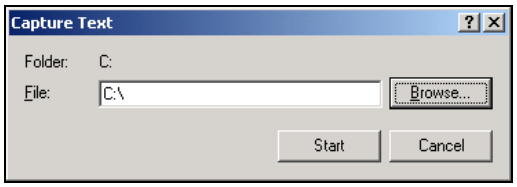

Figure 7

10. Enter a transaction at the POS system; the transaction data will then be sent to and captured by HyperTerminal. One of the three conditions may occur here:

    A. If **the connection is established**, the transaction data will appear in the HyperTerminal window. See the following illustration of the HyperTerminal window, compared with a copy of receipt from the same transaction. When the data is displayed in the HyperTerminal window, it is verified that the POS system is text mode.

Note:

1. A small amount of garbage text may occur here, the problem can be solved later by our customized solutions.
2. Remember to keep the verified values, including Baud Rate (Bits per second), Data Bits, Parity and Stop Bits for GV-System configuration later.

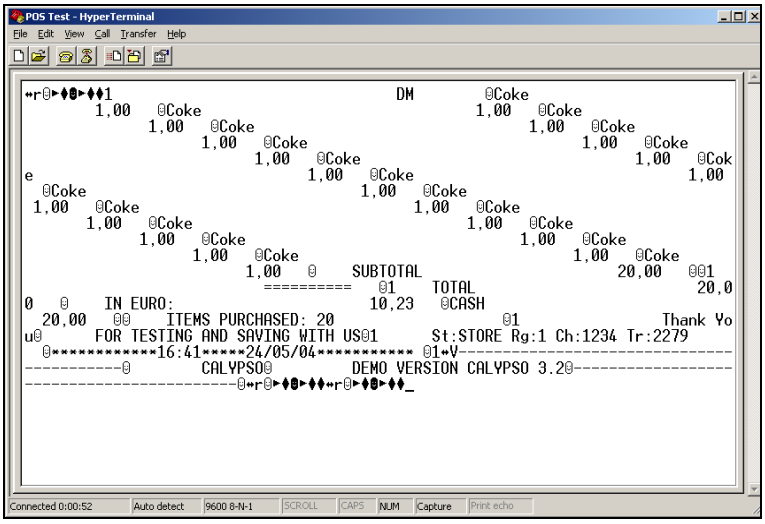

Figure 8 *The HyperTerminal window after receiving the transaction data*

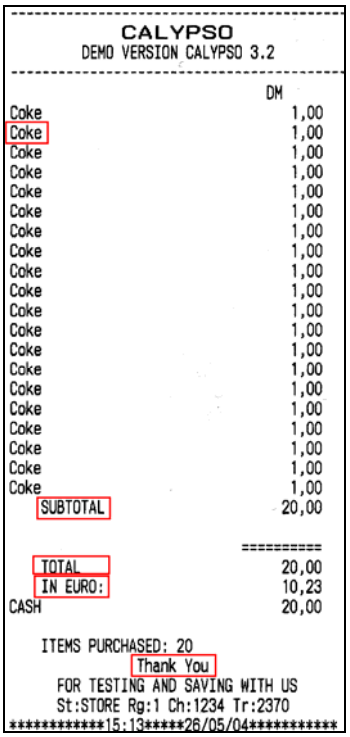

Figure 9 *The copy of receipt*

B. If **the HyperTerminal window does not respond** or **respond entirely with garbage text**, the port settings may be configured incorrectly in HyperTerminal. Go back to Step 7 to ensure the port values are the same in both the POS system and HyperTerminal.

C. If **the HyperTerminal window is halted** after you enter a transaction at the POS system or after all port re-settings, it is verified that the POS system is graphic mode.

Note: A graphic-mode POS system is not supported with GV-Data Capture Box.

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11. Click the **File** menu, and then select **Exit** to stop the testing.

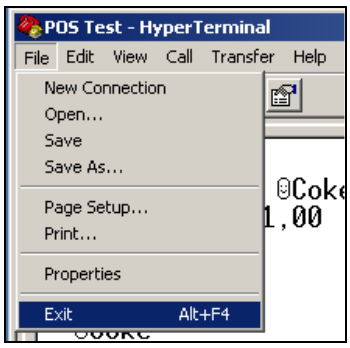

Figure 10

DB9-Interface Cash Register

Cash registers may not be integrated to GV-System, unless with the following characteristics. Please check these characteristics before the verification.

1. Check if your cash register has an output port for a printer.
2. Connect a receipt printer to the output port and see if it functions well. If it does, the integration is then possible.

Equipment Needed

1 PC/Notebook with the HyperTerminal program

1 RS232 crossover cable

Verifying the Printing Mode of a DB9-Interface Cash Register

1. Attach the computer to the cash register as illustrated below.

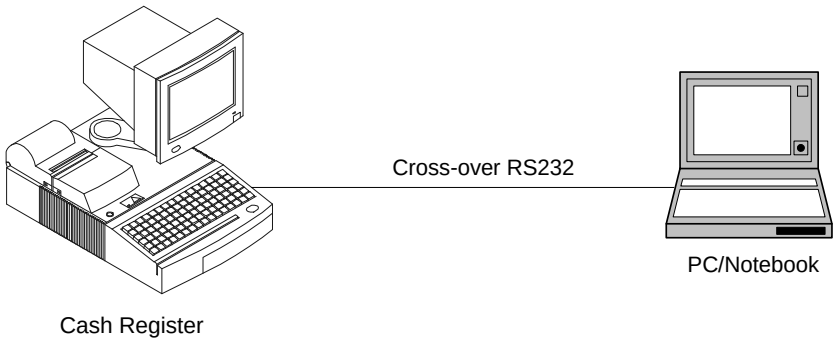

Figure 11

2. Follow Steps 2 to 11 as described in the *DB9-Interface POS System* section.

DB25-Interface POS System

Equipment Needed

1 PC/Notebook with the HyperTerminal program

1 GV-Data Capture Box

Verifying the Printing Mode of a DB25-Interface POS System

1. Attach the computer to the POS system as illustrated below.

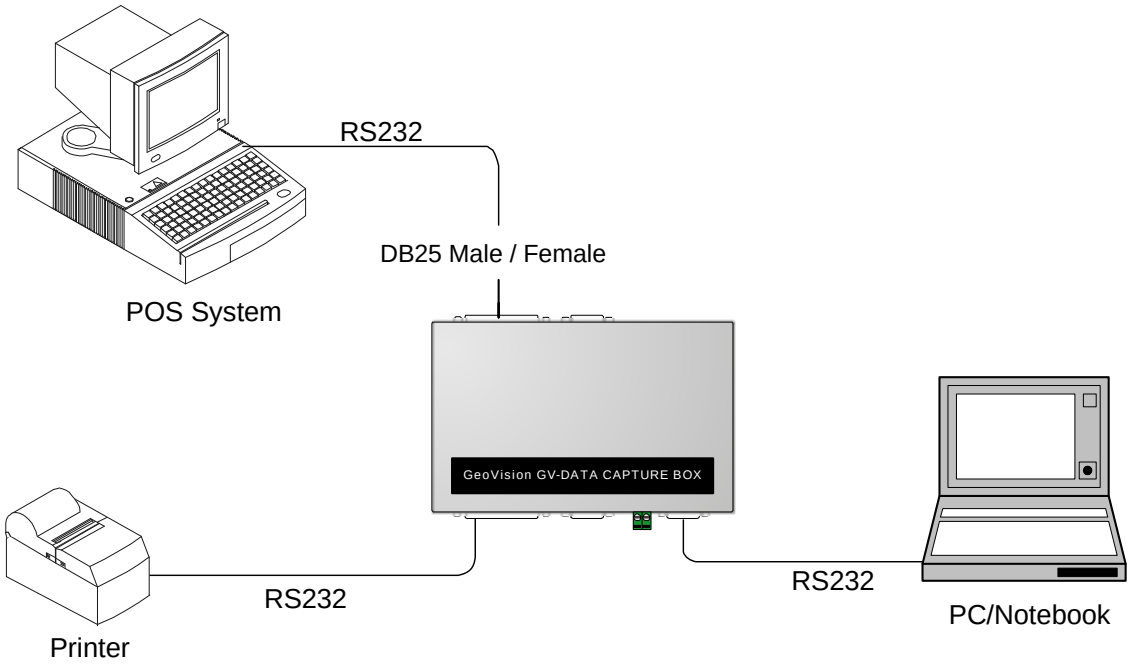

Figure 12

2. Follow Steps 2 to 11 as described in the *DB9-Interface POS System* section.

DB25-Interface Cash Register

Cash registers may not be integrated to GV-System, unless with the following characteristics. Please check these characteristics before the verification.

1. Check if your cash register has an output port for a printer.
2. Connect a receipt printer to the output port and see if it functions well. If it does, the integration is then possible.

Equipment Needed

1 PC/Notebook with the HyperTerminal program

1 GV-Data Capture Box

Verifying the Printing Mode of a DB25-Interface Cash Register

1. Attach the computer to the cash register as illustrated below.

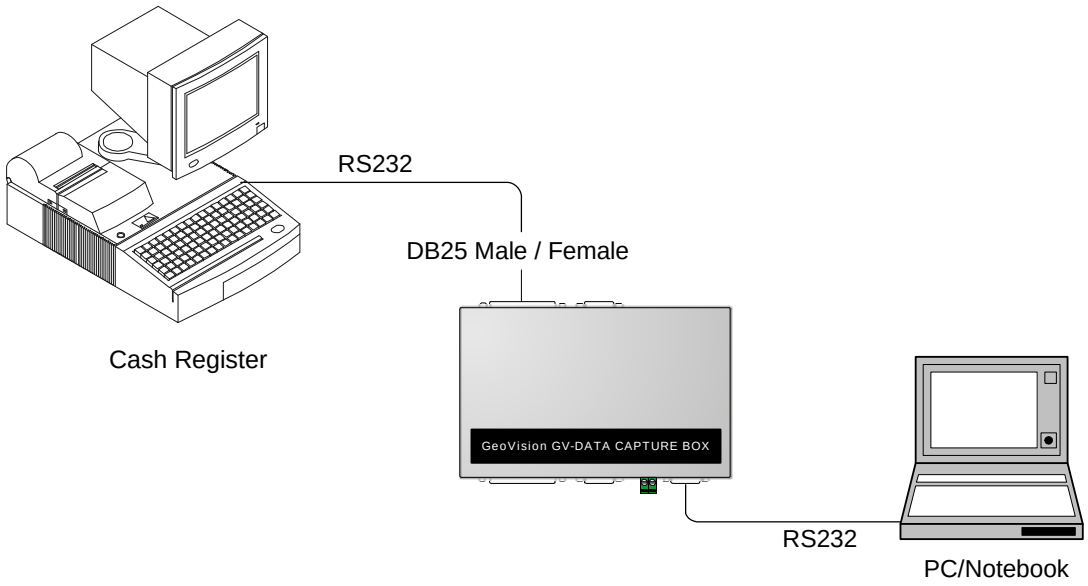

Figure 13

2. Follow Steps 2 to 11 as described in the *DB9-Interface POS System* section.

Sending a Transaction Data File to GV-System

With the saved file from the HyperTerminal testing, you can send it to any GV-System anywhere. This section explains how to use a computer as a POS system/cash register, sending the transaction data file to GV-System.

Equipment Needed

1 GV-Data Capture Box

The Steps to Send a Transaction Data File

1. Use a GV-Data Capture Box to attach GV-System to the computer stored with the data file, as illustrated below.

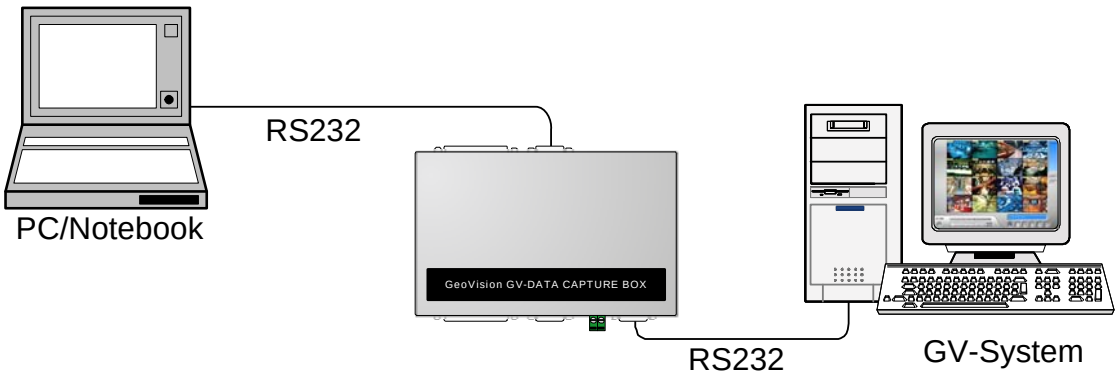

Figure 14

2. With the verified port values by HyperTerminal, configure GV-System for the application of POS system/cash register. If you don't know how to configure GV-System, refer to the documentation: Connecting DB9-Interface POS System, Connecting DB25-Interface POS System, Connecting DB9-Interface Cash Register or DB25-Interface Cash Register.

3. At the computer, open the Hyper Terminal window. Click the **Transfer** menu and select **Send Text File**.

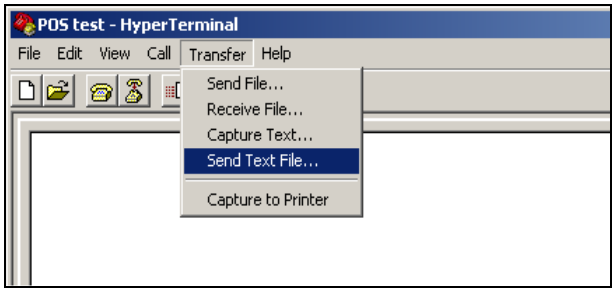

Figure 15

4. When the following window appears, locate that data file and then click **Open**. HyperTerminal will start sending the data to GV-System.

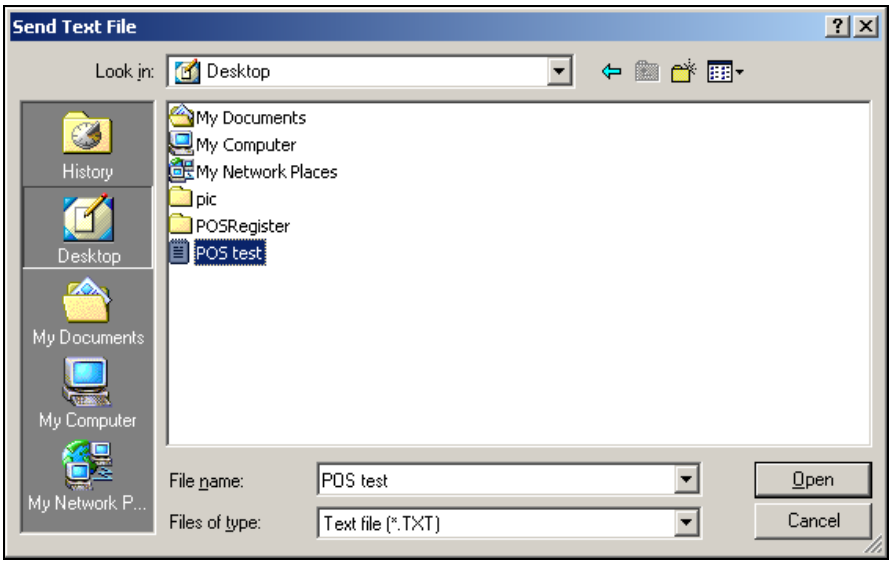

Figure 16

5. When GV-System receives the data file, the data will appear on the screen. See the illustration below.

Figure 17 *The transaction data is displayed on the GV-System screen*

Note: A small amount of garbage text may occur here, which could be fixed by our customized solutions. Refer to the documentation: What to do if the transaction data displays incorrectly?